# Baljeet Singh (GCEAD)

# Summary:

* ● Over 10+ years’ experience with SOA architecture which include SOAP Web Service and RESTful Web Service Testing
* ● Complete hands on experience in design and development of UI/Backend Test frameworks using tools like Selenium Web driver, TestNG, Maven, Selenium Grid, Jenkins, Apache HTTP Client.
* ● Programming with Java, JDBC, JAXP, JSP, Servlets, Spring Frameworks like CORE, MVC, AOP, BOOT
* ● Performed Web services testing using RESTASSURE plugin and have automated REST API's.
* ● Implemented (SOA) Service-Oriented Architecture to be effective and a clear understanding of well-defined, self-contained state of other services.
* ● Strong experience in Web Services testing using SOAP UI, XML, & WSDL. Providing required input data to request XML & get the required data

from response XML & use the response data from other request XML using SOAP UI.

* ● Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* ● Designed Hybrid Appium Test automation framework, Expresso Page Object Model for mobile application (Android/iOS apps).
* ● Develop and enhance Selenium Automation framework from scratch with Selenium WebDriver, TestNG and Cucumber.
* ● Strong understanding and development experience of REST API JAXRS libraries and Jersey Implementations
* ● Possess knowledge in understanding front end frameworks like JavaScript, jQuery, Html5 CSS3, Angular Js.
* ● Hands on database knowledge in writing SQL queries for databases like Oracle, MySQL, PostgreSQL including Joins, table design, Triggers, Stored Procedures, Cursors, Views, Indexes
* ● Hands on working experience in scrum teams and sprint span.
* ● Hands on experience in creating test plan, testcases and test strategy.

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# TECHNICAL SKILLS:

* Platforms : Windows, UNIX, Mac OSX
* Languages : Java, JavaScript, PL/SQL, and Visual Basic.
* Automation Tools : Selenium WebDriver, UFT, Cucumber, Appium, Expresso
* API & tools : Postman, SOAP UI, API, REST API, REST Assured, TestNG, AWS
* IDE : Eclipse, IntelliJ, Atom
* SCM Tools : GIT, SVN
* Continuous Integration Tools : Jenkins, Maven
* Defect Tracking : JIRA, Bugzilla, Agile JIRA, TFS, Trello, Plan IT Poker
* DB Tools : MS SQL Server, SQL-Plus, Oracle, Mongo DB

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* **Work Experience:**

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* **Senior Software Engineer in Quality January 2021 –Present**
* **Intuit.Inc (San Jose,CA)**

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* **RESPONSIBILITIES:**
  + ● **Go through requirements and design docs and come up with test plans for**
  + **complex projects.**
  + ● **Write test cases based on product requirements and design documents and**
  + **bring up if there are any discrepancies.**
  + ● **Do Manual testing as well as write front end automation using selenium**
  + **page objects pattern and backend automation test scripts in Rest Assured**
  + **with Java and TestNG.**
  + ● **Manage all the automated regression test suites to be always up to date,**
  + **remove no longer needed tests and add new depending upon the ongoing**
  + **projects.**
  + ● **Triage any test failures that comes up in UI and backend automated test**
  + **scripts in Java test frameworks.**
  + ● **Tested SOAP and REST web services using the different assertions like**
  + **HTTP assertions, security assertions, XPATH assertions in**

**SOAP UI**

* + **assertions.**
  + ● **Utilized web developer tools such as POSTMAN to do API Testing of web**
  + **services and check if correct data is returned.**
  + ● **Experience executing tests on Amazon Web Services (AWS) and Microsoft**
  + **Azure cloud platforms**

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* + ● **Good experience in Web Services testing using HTTP-Client, SOAPUI, which involved in validating the JSON/XML response and verifying it against the expected output.**
  + ● **Experience in Multiple Browser Testing using Selenium GRID.**
  + ● **Used UNIX extensively while working on different Tests.**
  + ● **Experience in writing SQL Queries for Back End API Testing.**
  + ● **Attend daily scrum meetings and bring up any road blocks or any features that are at the risk of meeting deadlines or being**

**expected to not meet the minimum quality standards.**

* + ● **Backend queries were conducted using SQL queries to validate and retrieve data from the Database in API Tests.**
  + ● **Actively participate and give inputs in grooming, planning and retrospective meetings.**
  + ● **Help performance testing team in writing perf test scripts and update selenium web-driver test scripts according to the changing features to keep the perf test scripts accurate and reliable.**
  + ● **Always try to enforce best development practices within the team or if working across teams.**
  + ● **Keep the automation test frameworks up to date with using latest libraries, in house dependencies and JRE etc.**
  + ● **Responsible to unblock any team or any engineer that gets blocked by an**
  + **ongoing project due to any environmental issues.**

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* **Technologies Used: Java, Docker, AWS/Kubernetes, MySQL, JDBC, JSON, XML,**
* **Rest, SOAP, IntelliJ, Eclipse, Maven, Jenkins, TDD, CI/CD, Linux, Selenium**
* **WebDriver, Rest-Assured, SOAP UI, CI/CD, JMeter, Scala, Jira, Agile/Scrum,**
* **WireMock, Jenkins, Junit, TestNG, Maven, Surefire, GitHub.**

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* **Visa, Foster City CA Sep 2020 – December 2021**
* **Software Development Engineer in Test**
* **Responsibilities:**
  + • **Collaborated with developers in an Agile release environment. Participated actively all**
  + • **SDLC process attending sprint planning, daily scrum, retrospective, and client&#39;s demo**
  + • **Daily collaboration with offshore and on-site team on day-to-day QA operational support**
  + • **Create Test Cases and Test Scripts also Estimate, prioritize, plan and coordinate testing**
  + • **activities**
  + • **Responsible for identifying test cases for Automation then design, develop and execute**
  + • **Automation scripts**
  + • **Performed different types of testing system, Functional, and Regression Testing manually**
  + • **and convert them to automated script using Selenium WebDriver**
  + • **Performed test automation Development using test framework that implements**
  + • **Page Object Model (POM), BDD format, also use Junit**
  + • **Used Continuous Integration Tools (Jenkins) for automation script run in nightly basis**
  + • **and to provide quick feed back to the developers**
  + • **Implemented Maven for Project building, and Git for code management**
  + • **Developed and maintained automated test scripts to support regression testing and**
  + • **participated actively in system testing and regression testing**
  + • **Performed and Monitor Release activity Every morning before 10 am in Test**
  + • **Environment for Functionality of the Application Performed back end testing for data**
  + • **validation using complex SQL Queries joining multiple tables**
  + • **Finding the defects and follow the Defect life Cycle Ability to use bug tracking and test**
  + • **management tools to support development processes using JIRA**
* **Environment: JIRA, Spring, Outlook, SharePoint, Share drive, Eclipse (IDE), Selenium**
* **WebDriver, Java, JavaScript, TestNG, Maven, Jenkins, Oracle.**

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* **Macy’s, remotely working from San Jose, CA Aug 2019 – Sep 2020**
* **Java QA Automation**

# Responsibilities:

* + ● Responsible for E2E testing for various teams like Proxy & Argentum.
  + ● Responsible for enhancing HAT automation framework hooking it up with Continuous Integration tool Jenkins
  + ● Create and maintain testing scripts, standards, guidelines and playbooks for accessibility testing and development best-practices.
  + ● Responsible for Accessibility Testing and front-end testing of the website
  + ● Shared responsibility E2E framework development by using Java, TestNG, Selenium Web driver, Jenkins, Maven, Apache Http Client class
  + ● Built and maintains automation framework using Selenium WebDriver, Java and TestNG from Scratch.
  + ● Set up Selenium tools from scratch and configured various other peripherals tools to perform Selenium test.
  + ● Responsible for E2E testing for our partners/client on API’s which include Post an Order, Get an Order, Pay an Order, Payout is etc.
  + ● Automating application using TOSCA.
  + ● Handling dynamic values in test cases in TOSCA
  + ● Developed automation framework to test SOAP based Web Services using TestNG.
  + ● Responsible for debugging issues on production, working with partner set up team for triaging live issues and working with cross functional teams to get them resolved
  + ● Automated Rest API tests in Cucumber/Selenium framework.
  + ● Responsible for running E2E jobs for supporting component wise releases within PayPal since we are a microservices architecture and every component would need

an E2E signoff.

* + ● Created automation scripts in SOAP UI using Groovy Script for web services testing.
  + ● Performed automated test procedures for functional testing of Web services and worked on Restful API testing.
  + ● Expertise in performing manual testing & Mobile Application Testing using Appium. And web application testing using selenium.
  + ● Designed Hybrid Appium Test automation framework, Expresso Page Object Model for mobile application (Android/iOS apps).
  + ● Test Mobile App behavior under various interruptions: battery strength, incoming calls, SMS, and Video calls.
  + ● Experience in writing CSS Selectors, Xpath, and IDs expressions using JavaScript to identify web elements.
  + ● Wrote test cases for Android apps using Expresso/XCUI for Automation.
  + ● Shared Responsibility for PP4MP dashboard development using Restful services

/ JAX RS lib as middleware, SQL database as our backend & JavaScript, CSS, html,

as our front end.

* + ● Strong knowledge in understanding API design, microservices architecture, Object/Data modelling
  + ● Implemented SOAP UI for Webservices Testing.
  + ● Developed Data Driven Tests using SOAP UI and automated functional testing.
  + ● Responsible for documenting the Automated Test results using SOAP UI and QTP.
  + ● Responsible for integrating backend framework HAT with Selenium grid architecture by creating nodes for a hub, configuring them, integrating them with Testng.xml file for parallel execution of regression on various browsers as a part of

our framework enhancement

* + ● Experience in using GIT hub as source code repository.
  + ● Experience working in Scrum teams consisting of Developers, QE, Product managers & Dev/QA managers
  + ● Experience in requirement grooming, Test plan, strategy, and test case creation
  + ● Strong core java experience, all automation frameworks designed and developed keeping in mind OOP’s concepts.
  + ● Strong working experience in Java's Collection Frameworks, data structures & algorithms.
  + ● Used Jira for logging defects, status reporting.
* **Environment**: Java, JavaScript, Selenium WebDriver, Postman, Groovy Script,

Appium, Cucumber, SOAP UI, API, TestNG, Agile, GIT, SQL, Jenkins, Maven

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* **BCBS, New City land, CA June 2018 - July 2019**
* **QA Automation Engineer**
* Responsibilities:
  + ● Tested developed applications by attempting to break code in novel ways.
  + ● Identified code defects and mitigated them.
  + ● Ensured software applications were efficient and responsive to client needs.
  + ● Collaborated with applications development team.
  + ● Involved in creating the test plans and test cases for each sprint
  + ● Responsible for developing automation scripts using Selenium WebDriver and SOAP UI
  + ● Conducted manual testing in the initial phase of the project
  + ● Developed Automation framework from scratch, enhanced through Maven and ranthe Test Suite using TestNG
  + ● Performed API testing using JUnit framework, writing unit test cases in Java.
  + ● Performed some backend testing to make sure that the data at the front is in sync with the data at the backend.
  + ● Performed web automation testing on Tesla’s TOP (Tesla Operational Portal) application using Selenium Web driver
  + ● Involved in Web Application GUI automation on Page Object Model using Selenium Web Driver, TestNG and Maven prior to agile release
  + ● Used TestNG and Junit to build testing framework from scratch.
  + ● Executed automated functional Test Cases using SoapUI to test Web services API using both REST and SOAP interfaces for MRT portal
  + ● Experience using REST Easy tool for testing web services based WSDL using various assertions and different protocols such as HTTP, HTTPS, and SOAP for Tesla’s Logistic Outbound/Inbound portal

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* **Environment**: Java, Maven, Selenium WebDriver, SOAP UI, API, TestNG, Agile, Jira, SQL, Web Services, Internet Explorer, Firefox, Google Chrome.

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* **Overstock, San Jose, CA**
* **Software Quality Assurance Analyst**
* Responsibilities:
  + ● Design the Test Automation framework for testing the front-end application and as well as testing.
  + ● Work at End-to-end team create and automated new test cases in JAVA Spring Tool Suite
  + ● Created Data Driven Automation Framework for Web based application using Selenium Web driver, Java & TestNG.
  + ● Done SOA testing for Payments API's using SOAP UI and Java framework for web services testing
  + ● Responsible for writing system level automation test cases using TestNG and Selenium Web Driver.
  + ● Built a test automation framework from scratch using a Page Object Model POM or Page Factory with Java using Selenium Web Driver & TestNG. Building an automated Regression Test Suite was the sole purpose behind this framework.
  + ● Created web services tests by using Restful Client, Java, and XML, TestNG.
  + ● Automated REST services test scripts using LISA and SOAP UI.
  + ● Complete design and Java code implementation of web test framework using Selenium.
  + ● Created Data Driven Automation Framework for Web based application using Selenium Web driver, Java & TestNG.
  + ● Web services validation for SOAP and REST services
  + ● Performed automated web services testing for both REST and SOAP based.
  + ● Generate client for Web Services, executed Web Services using Eclipse Java IDE and SOAP UI
  + ● Writing SQL queries for retrieving and manipulating databases.
  + ● Tested applications in different types of browsers and versions, such as API Internet Explorer, Firefox, Google Chrome to simulate production environment
* **Environment**: Java, Spring, Selenium WebDriver, SOAP UI, API, TestNG, Agile, Jira, SQL, Jenkins, Web Services, Internet Explorer, Firefox, Google Chrome.

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* **Cox Automotive inc, Austin, TX Oct 2016 – Mar 2017**
* **Quality Engineer**

# Responsibilities:

* + ● Contributing in developing automation framework which uses Java, WebDriver and TestNG
  + ● Gathered requirements documents such as business requirements and design document and other related documents
  + ● Extensively involved in building automation framework from scratch using Selenium Web Driver, JAVA, TestNG, Jenkins, ANT and Eclipse.
  + ● Prepared Test Plan, Test Cases, Test scripts and Test data for the application as well as for the database verification based on the functional requirements and test specifications
  + ● Writing manual test cases for new features, manually test them and automating them in every sprint
  + ● Extensively used Selenium (data-driven, XPath) WebDriver to test the web application
  + ● Expertise in Understanding and Analyzing Test Requirements and creating the Traceability Matrices document
  + ● Automating all P0 tests case of new feature and manual testing each feature with 100% coverage
  + ● Filing bugs for both new features and regression features and making sure to get close P0 bug before next sprint end

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* **Ameriprise Financial, Minneapolis, MN Sep 2015 - Sep 2016**
* **QA Engineer**

# Responsibilities:

* + ● Involved in writing Performance Test Plan which detailed the testing scope strategy, Hi-level test requirements, and necessary resources.
  + ● Created Performance test scripts for load testing of Web UI and Web Service applications using different protocols like Web Http/Html, Web Services, SOAP, REST APIs.
  + ● Enhanced LoadRunner scripts by implementing Java, correlation, parameterization, transaction points, rendezvous points and various LoadRunner functions.
  + ● Developed and executed many complex SQL queries for data validation and observed for any data mismatch.
  + ● Configured Run-time settings for VuGen, Controller and Performance Center and executed various types of test like Load, Stress and Endurance tests.
  + ● Worked on Ready API for API automation testing.
  + ● Used IntelliJ IDEA for Java scripting.
  + ● Involved in adding app and machine agents of different servers in AppDynamics to capture server metrics like CPU usage, Memory usage, heap usage, calls/min,

errors/min etc of servers for performance monitoring and identifying bottlenecks.

* + ● Verified the SOAP message delivery to the web services and verified the XML formatted response using SOAPUI.
  + ● Captured and analyzed different metrics during test execution like response time, throughput, Hits/ sec, Transactions/ sec and created comprehensive performance test report.
  + ● Monitored metrics for application server, web server and database server using AppDynamics.

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* **Tools and Technologies:** HP LoadRunner, Java, C, Performance Center, SOAPUI, Ready API, AppDynamics, SQL, your kit, Unix/ Linux, J2EE Diagnostic tool, Unix shell scripts, IntelliJ IDEA.

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* **Wells Fargo, Fort Collins, CO Apr'2014- Sep’ 2015**
* **QA Automation Engineer**

# Responsibilities:

* + ● Developed test code in java language using Eclipse IDE and TestNG framework.
  + ● Configured Selenium WebDriver, TestNG, Maven tool and created selenium

automation scripts from scratch in java.

* + ● Performed Regression testing for new builds in the application using Selenium Web Driver and TestNG.
  + ● Implemented TestNG Report and XSLT report to test reporting.
  + ● Configured Selenium GRID scripts on Virtual machines.
  + ● Involved in Automation Infrastructure Development using Selenium.
  + ● Created from scratch and executed JMeter Scripts from virtual machines for Web (Http/Html) and Web Services protocols.
  + ● Executed Load, Stress, Spike and Endurance Test from JMeter and Blaze Meter.
  + ● Used JMeter and SOAPUI to verify SOAP response from server.

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* **Tools and Technologies:** Selenium WebDriver, TestNG, Maven, Java, Unix/Linux, Eclipse IDE, JMeter, SiteScope, MS SQL Server, SOAPUI, Jira, WebLogic, Load Balancer, Blaze Meter, SQL, J2EE Diagnostic Tool.

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* **Ericsson, India May’ 2013 - Mar’ 2014**
* **QA Automation Engineer**

# Responsibilities:

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* + ● Created Keyword driven Automation Framework for Web based application using Selenium WebDriver, Java & Eclipse.
  + ● Implemented ANT to automate the built process.
  + ● Performed API level testing for the new REST API team built using Postman.
  + ● Prepared the test data to cover various scenarios and wrote SQL scripts to verify the database updated, inserts and deletions of the records.
  + ● Understand test plan and estimated resource requirements to support on-time delivery of test execution.
  + ● Built and maintained UI automation framework from scratch using Java TestNG Selenium Web driver on Web UI for playphone.com and Appium framework Automator on mobile app
  + ● Created scripts for Web UI and Web Services applications in LoadRunner.
  + ● Implemented Parameterization, Correlation, Rendezvous points, Image and Text Verifications in Vuser Scripts using LoadRunner.
  + ● Extensively used Controller and Performance center to execute Baseline, Load, Endurance, and Stress test cycles.
  + ● Analyzed Throughput Graph, Hits/Second graph, Transactions per second graph and Rendezvous graphs using LR Analysis tool.
  + ● Configured and prepared proper performance monitoring tools and captured metrics using Introscope. Generated Server Monitor statistics like CPU usage, Disk Usage, Memory, Thread Counts, Bytes/Sec etc.
  + ● Identified bottlenecks in Network, Database and Application Servers.

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* **Tools and Technologies:** Selenium WebDriver, Eclipse IDE, Keyword driven framework, REST API, Postman, SQL, UNIX/ LINUX, Selenium Grid, Apache POI, Load Runner, Performance Center, Quality Center, C, Java, ANT, MySQL, Introscope.

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# Education:

* Bachelors Science in Computer - 2014

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